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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/990,611
				Filing Date	November 21, 2001
				First Named Inventor	Lorraine Faxon Meisner
				Art Unit	1616
				Examiner Name	Frank I. Choi
Sheet	1	Of	6	Attorney Docket Number	36091-701.302

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0041193 A1	11-15-2001	Meisner	
	2.	2002/0037314 A1	03-28-2002	Meisner	
	3.	2002/0164386 A1	11-07-2002	Meisner	
	4.	2005/0003023 A1	01-06-2005	Meisner	
	5.	2006/0165819 A1	07-27-2006	Meisner	
	6.	2008/0125395 A1	05-29-2008	Meisner	
	7.	2,400,171	05-14-1946	Ruskin et al.	
	8.	2,442,461	06-01-1948	Karrer	
	9.	3,857,970	12-31-1974	Tsumura, et al.	
	10.	3,886,265	05-27-1975	Evers et al.	
	11.	4,229,430	10-21-1980	Fahim et al.	
	12.	4,294,852	10-13-1981	Wildnauer et al.	
	13.	4,367,157	01-04-1983	Sherman	
	14.	4,515,771	05-07-1985	Fine	
	15.	4,590,067	05-20-1986	Meisner	
	16.	4,647,453	03-03-1987	Meisner	
	17.	4,711,780	12-08-1987	Fahim	
	18.	4,722,936	02-02-1988	Jacob	
	19.	4,772,591	09-20-1988	Meisner	
	20.	4,818,521	04-04-1989	Tamabuchi	
	21.	5,700,451	12-23-1997	Yue, et al.	
	22.	5,703,122	12-30-1997	Duffy	
	23.	5,736,567	04-07-1998	Cantin et al.	

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	24.	5,750,123	05-12-1998	Znaiden et al.	
	25.	5,972,993	10-26-1999	Ptchelintsev	
	26.	6,440,465	08-27-2002	Meisner	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
	27.	EP 0273202	06-21-1995	Van Scott		
	28.	EP 0771557	08-18-1999	L'Oreal		
	29.	JP 61078715 (English language abstract)	04-22-1986	Shiseido Co. Ltd.		AB
	30.	WO 98/23152	06-04-1998	Perricone		
	31.	WO 00/56327	09-28-2000	Bioderm, Inc.		
	32.	WO 01/83031	11-08-2001	Bioderm, Inc.		

NON PATENT LITERATURE DOCUMENTS

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	33.	BANDELIN & TUSCHHOFF, "The Stability of Ascorbic Acid in Various Liquid Media", <i>J. Am. Pharmacol. Assoc.</i> 44(4):241-244 (1955)
	34.	BAUERNFEIND, "Ascorbic Acid Technology" in ASCORBIC ACID: CHEMISTRY, METABOLISM, AND USES, 417-29 (Seib & Tolbert, eds., American Chemical Society 1982)
	35.	BEKESI et al., "Inhibitory Effect of D-Glucosamine and Other Sugar Analogs on the Viability and Transplantability of Ascites Tumor Cells", <i>Cancer Research</i> 29:353-359 (1969)

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	36.	BLACK, "Potential Involvement of Free Radical Reactions in Ultraviolet Light-Mediated Cutaneous Damage", <i>Photochemistry and Photobiology</i> 46:213-221 (1987)
	37.	BORNE & PEDEN "Antiinflammatory Activity of Para-Substituted N-Benzenesulfonyl Derivatives of Amino Acids", <i>J. Med. Chem.</i> 15(12):1325-1326 (1972)
	38.	COOKE & MOXON, "The Detection and Measurement of Vitamin C", in VITAMIN C (ASCORBIC ACID), 167-168, 170-171 (Counsell & Hornig, eds., Applied Science Publishers 1981)
	39.	ENGLAND & SEIFTER, "The Biochemical Functions of Ascorbic Acid", <i>Ann. Rev. Nutri.</i> 6:365-406 (1986)
	40.	GUALANO et al., "Anti-inflammatory Activity of S-Adenosyl-L-Methionine: Interference with the Eicosanoid System", <i>Pharmacology Res. Commun.</i> 15(7):683-695 (1983)
	41.	HAJRATWALA, "Stability of Ascorbic Acid", <i>S.T.P. Pharma</i> , 1(4):281-286 (1985)
	42.	HALL et al., "Anti-Inflammatory Activity of Diazomethyl Ketone and Chloromethyl Ketone Analogs Prepared from N-Tosyl Amino Acids", <i>J. Pharm. Sci.</i> 69(12):1451-1452 (1980)
	43.	HORNIG & MOSER, "The Safety of High Vitamin C Intakes in Man", in VITAMIN C (ASCORBIC ACID) 225-226 (Counsell & Hornig, eds., Applied Science Publishers 1981)
	44.	IMAI et al., "The Antiscorbutic Activity of L-Ascorbic Acid Phosphate Given Orally and Percutaneously in Guinea Pigs", <i>Jap. J. Pharmacol.</i> 317-324 (1967)
	45.	JAIN & KHANNA, "Evaluation of Anti-inflammatory and Analgesic Properties of L-Glutamine", <i>Agents and Actions</i> 11(3):243-248 (1981)
	46.	KAHN et al., "Ultraviolet Light Protection by Several New Compounds", <i>Arch Dermatol.</i> 109: 510-517 (1974)

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	47.	KAPLAN et al., "A New Stabilized Ascorbic Acid Solution: Percutaneous Absorption and Effect on Relative Collagen Synthesis", <i>J. Cutaneous Aging & Cosmetic Derm.</i> 1(2):115-121 (1988/89)
	48.	KASSEM et al., "Studies on the Stability of Injectable L-Ascorbic Acid Solutions: III. Effect of Metal-complexing Agents", <i>Pharma. Acta Helveticae</i> 47:89-97 (1972)
	49.	KASSEM et al., "Studies on the Stability of Injectable L-Ascorbic Acid Solutions: I. Effect of pH, Solvent, Light and Container", <i>Pharmaceutica Acta Helveticae</i> 44:611-623 (1969)
	50.	KOLATA, "Is Tyrosine the Key to Growth Control?" <i>Science</i> 219:377-378 (1983)
	51.	KUNERT & TAPPEL, "The Effect of Vitamin C on in vivo Lipid Peroxidation in Guinea Pigs as Measured by Pentane and Ethane Production", <i>Lipids</i> 18(4):271-273 (1983)
	52.	KWAPISZEWSKI et al., "Synthesis of L-Cysteine and S-Methyl-L-Cysteine Derivatives of Immunotropic and Anti-inflammatory Activity", <i>Arch. Immunol. Et Ther. Exp.</i> 27(6):729-731 (1979)
	53.	LASZLO et al., "Effects of Glucose Analogues (2-Deoxy-D-glucose, 2-Deoxy-D-galactose) on Experimental Tumors", <i>Journal of the National Cancer Institute</i> 24(2):267-278 (1960)
	54.	LIEN et al., "Topical Use of Ascorbic Acid in the Management of Pressure Sore", <i>J. Formosan Med. Assoc.</i> , 75:243-250 (1976)
	55.	LITWIN, "Growth of Human Diploid Fibroblasts in Media with Different Amino Acid Composition", <i>J. Cell Science</i> 14:671-680 (1974)
	56.	NOBILE et al., VITAMIN C: THE MYSTERIOUS REDOX-SYSTEM A TRIGGER OF LIFE?, 23-24 (MIP Press Ltd., Boston, MA 1981)
	57.	PINNELL & MURAD, "Vitamin C and Collagen Metabolism," in CUTANEOUS AGING, 275-292 (Kligman & Tukase, eds. Univ. of Tokyo Press 1988)

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	58.	SETNIKAR et al., "Antireactive Properties of Glucosamine Sulfate," <i>Arzneimittel Forschung Drug Research</i> 41:157-161 (1991)
	59.	SMART et al., "Inhibition of 12-O-Tetradecanoylphorbol-13-acetate Induction of Ornithine Decarboxylase Activity, DNA Synthesis, and Tumor Promotion in Mouse Skin by Ascorbic Acid and Ascorbyl Palmitate", <i>Cancer Res.</i> 47:6633-6638 (1987)
	60.	TAPADINHAS et al., "Oral Glucosamine Sulphate in the Management of Arthrosis: Report on a Multi-centre Open Investigation in Portugal", <i>Pharmatherapeutica</i> 3(3):157-168 (1982)
	61.	THE MERCK INDEX: AN ENCYCLOPEDIA OF CHEMICALS AND DRUGS, 110-111 (#845-858) (Windholz, et al. eds., Merck and Co., 9th ed. 1976)
	62.	THOMAS et al., "Anti-inflammatory Activity of Esters of Phenylglycine", <i>Communications J. Pharm. Pharmacol.</i> 26:151-152 (1974)
	63.	WEST & TODD, TEXTBOOK OF BIOCHEMISTRY 795 (The MacMillan Company, New York 1951)
	64.	Office Action mailed February 29, 2008 in connection with U.S. Patent Application No. 09/997,663, assigned to Bioderm, Inc., under examination by Examiner Choi at the USPTO
	65.	Claims pending on February 29, 2008 in connection with U.S. Patent Application No. 09/997,663, assigned to Bioderm, Inc., under examination by Examiner Choi at the USPTO
	66.	Office Action mailed June 13, 2006 in connection with U.S. Patent Application No. 10/614,768, assigned to Bioderm, Inc., now abandoned
	67.	Claims pending on June 13, 2006 in connection with U.S. Patent Application No. 10/614,768, assigned to Bioderm, Inc., now abandoned
	68.	Office Action mailed November 5, 2007 in connection with U.S. Patent Application No. 11/389,384, assigned to Bioderm, Inc., now abandoned

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	70.	Office Action mailed November 2, 2007 in connection with U.S. Patent Application No. 10/185,388, assigned to Bioderm, Inc., under examination by Examiner Flood at the USPTO
	71.	Claims pending on November 2, 2007 in connection with U.S. Patent Application No. 10/185,388, assigned to Bioderm, Inc., under examination by Examiner Flood at the USPTO

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